

Supplementary Table 3. Level of Certainty for each outcome

Certainty assessment							№ of patients		Effect		Certainty	Importance
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Remimazolam	Propofol	Relative (95% CI)	Absolute (95% CI)		

Postoperative delirium

8	randomised trials	serious ^a	not serious	not serious	not serious	none	44/552 (8.0%)	54/520 (10.4%)	OR 0.74 (0.39 to 1.42)	25 fewer per 1,000 (from 61 fewer to 37 more)	⊕⊕⊕ ○ Moderate	
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Postoperative cognitive function

6	randomised trials	serious ^a	serious ^b	not serious	not serious	none	271	232	-	MD 1.06 higher (0.32 higher to 1.8 higher)	⊕⊕○ ○ Low	
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Hypotension

7	randomised trials	serious ^a	not serious	not serious	not serious	none	111/479 (23.2%)	229/459 (49.9%)	OR 0.28 (0.21 to 0.37)	281 fewer per 1,000 (from 326 fewer to 230 fewer)	⊕⊕⊕ ○ Moderate	
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CI: confidence interval; **MD:** mean difference; **OR:** odds ratio

Explanations

a. Downgrade for some concerns in risk of bias

b. Downgrade for inconsistency (High heterogeneity)